

## Abstract

Provided is a heat-shrinkable polyester film satisfying:

(A) a heat shrinkage percentage of 10% to 50% in a maximum shrinkage direction in a hot water at 70°C,

(B) a heat shrinkage percentage of not less than 75% in a maximum shrinkage direction, and not more than 10% in an orthogonal to the maximum shrinkage direction in a hot water at 85°C,

(C) a heat shrinkage percentage difference  $\Delta X(\%) = X_0 - X_{10}$  of a sample is 10% to 20%,

wherein,  $X_0$  and  $X_{10}$  are defined as follows,

$X_0(\%)$ : a heat shrinkage percentage in a maximum shrinkage direction in a hot water at 95°C; and

$X_{10}(\%)$ : a heat shrinkage percentage in a maximum shrinkage direction of a film having experienced heat shrink by 10% in a maximum shrinkage direction;

(D) a three-dimensional surface roughness  $\Delta a$  gives 0.008 to 0.04; and

(E) a three-dimensional surface roughness  $SR_z$  gives 0.6 to 1.5 micrometers.

Even in use for full label usage, the heat-shrinkable polyester film has excellent quality after shrink-finishing, reinforcement function of containers after wrapped by shrinking, and blocking resistance, and furthermore exhibits excellent film-formation property, and processability as well. In addition, the present invention provides a heat-shrinkable polyester film having ultraviolet absorptivity, and a heat-shrinkable polyester film roll exhibiting uniform heat shrinkage properties over whole of a long film.